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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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02/03/2004

Jun-ho Sung

101-1015

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09/24/2009

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EXAMINER

FUJITA, KATRINA R

ART UNIT

PAPER NUMBER

2624

MAIL DATE

DELIVERY MODE

09/24/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Attachment to Advisory Action Paper No. 20090914

Response to Amendment

1. For purposes of appeal, the proposed amendment(s) will be entered and the proposed rejection(s) detailed below will be included in the Examiner's Answer. To be complete, such rejection(s) must be addressed in any brief on appeal.

Upon entry of the amendment(s) for purposes of appeal:

Claim(s) 1, 3, 10, 13,16, 19, 22, 25-29, 36, 39, 42, 45, 48, 51, 52 and 57 would be rejected for the reasons set forth in the rejections under U.S.C. § 103(a) based upon Mancini et al., Thyagarajan et al. and Pullen et al. of the final Office action mailed July 02, 2009.

Claim(s) 4, 6-9, 17, 18, 30, 32, 34, 35, 43, 44, and 53 would be rejected for the reasons set forth in the rejections under U.S.C. § 103(a) based upon Mancini et al., Thyagarajan et al., Pullen et al. and Boyce of the final Office action mailed July 02, 2009.

Claim(s) 54 and 55 would be rejected for the reasons set forth in the rejections under U.S.C. § 103(a) based upon Mancini et al., Thyagarajan et al., Pullen et al. and common knowledge in the art of the final Office action mailed July 02, 2009.

Response to Arguments

Summary of Remarks (@ response pages labeled 17-18): The Pullen reference does not disclose "determining thereby whether to split the macro block into sub blocks by determining whether the macro block at the same location in a preceding image frame has been split".

Examiner's Response: Pullen describes a preliminary segmentation of the level 0 domain block in to level 1 blocks. An associated distortion measurement is carried out for each level 1 block. For a level 1 block that has too much distortion, it is established that there is no level 1 range area in the previous frame (same location in a preceding image frame), which means the previous frame does not contain a corresponding level 1 block, indicating it has not been split. As a result, the level 1 search is not performed and the level 0 domain block is not split.

Summary of Remarks (@ response pages labeled 26-27): The Pullen reference does not disclose determining whether to split the sub block into smaller sub blocks by determining whether the sub block at the same location in a preceding image frame has been split.

Art Unit: 2624

Examiner's Response: An associated distortion measurement is carried out for each domain child block. A domain child block is compared to the previous range child block. For a domain child block that has too much distortion between it and the previous range child block, this means the previous frame does not contain a corresponding child block, indicating it has not been split.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KATRINA FUJITA whose telephone number is (571)270-1574. The examiner can normally be reached on M-Th 8-5:30pm, F 8-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Werner can be reached on (571) 272-7401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2624

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Katrina Fujita/
Examiner, Art Unit 2624

/Brian P. Werner/
Supervisory Patent Examiner, Art Unit 2624